

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (currently amended): A brushless motor comprising:
a stator comprising a plurality of exciting coils which receives drive current;
a rotor rotatable relative to the stator;
a first circuit section comprising a filter circuit for eliminating surges of electric power for the drive current, the first circuit section being produced on a wiring metal piece;
a second circuit section comprising a control circuit for controlling the magnetic field generated by the stator by controlling the drive current, the second circuit section being produced on a printed wiring board; and
a fuse member electrically connecting the wiring metal piece of the first circuit section and a wiring pattern formed on the printed wiring board of the second circuit section, the fuse member electrically disconnecting the wiring metal piece and the wiring pattern when a temperature of the wiring pattern becomes higher than a predetermined temperature,

wherein the fuse member is made of elastic and electro-conductive material, wherein a first end portion of the fuse member is fixed on the wiring metal piece of the first circuit portion, wherein an other end portion of the fuse member is soldered with the wiring pattern by means of solder which melts at the predetermined temperature, wherein the other end portion of the fuse member is inserted into a through hole formed on the printed wiring board, and wherein the other end portion of the fuse member is soldered with the wiring pattern formed on a back of a surface of the printed wiring board which is opposite to the wiring metal piece.

2. (canceled):

3. (canceled):

4. (currently amended): The brushless motor as claimed in ~~claim 1~~ claim 14, wherein the fuse member is located on a back of a surface of the printed wiring board on which switching devices are installed.

5. (currently amended): The brushless motor as claimed in ~~claim 2~~ claim 14, wherein a plurality of via holes are formed at a portion of the printed wiring board on which the other end portion of the fuse member is soldered.

6. (original): The brushless motor as claimed in claim 5, wherein solder land portions are formed on a back surface of the printed wiring board by exposing a copper film at a portion around each of the via holes on the back surface of the printed wiring board.

7. (currently amended): The brushless motor as claimed in claim 6, wherein the solder land portions on the back surface are soldered with the other end ~~portion 60b~~ portion of the fuse ~~member 60~~ member.

8. (original): The brushless motor as claimed in claim 6, wherein no solder land portion is formed on a front surface which is a back of the back surface on which the other end portion of the fuse member is soldered.

9. (currently amended): The brushless motor as claimed in ~~claim 1~~ claim 14, wherein the first circuit section and the second circuit section are arranged in parallel with a predetermined distance therebetween.

10. (original): The brushless motor as claimed in claim 9, wherein an end portion of the fuse member is fixed on the wiring metal piece of the first circuit portion by welding, and the other end portion of the fuse member is soldered with the wiring pattern by means of solder which melts at the predetermined temperature.

11. (original): The brushless motor as claimed in claim 9, wherein the fuse member is made of elastic and electro-conductive material, and the other end portion of the fuse member is soldered with the wiring pattern while the fuse member is elastically deformed so that the other end portion of the fuse member is detached from the wiring pattern when the solder melts.

12. (currently amended): The brushless motor as claimed in ~~claim 2~~ claim 1, wherein the fuse member has a jig receiving portion which is pushed by a jig when the other end portion of the fuse member is contacted and soldered with the wiring pattern.

13. (currently amended): The brushless motor as claimed in ~~claim 1~~ claim 14, the first circuit section and the second circuit section are arranged three-dimensionally.

14. (original): A brushless motor comprising:
a stator comprising a plurality of exciting coils which receives drive current;
a rotor rotatable relative to the stator;
a drive control circuit supplying the drive current to the exciting coils, the drive control circuit comprising a first circuit section for eliminating surges of electric power and a second circuit section for controlling magnetic field generated by the stator by controlling drive current treated in the first circuit section, the first circuit section and second circuit section being arranged generally in parallel with a predetermined space therebetween; and
a fuse member electrically connecting the first circuit section and the second circuit section, an end portion of the fuse member being welded with the first circuit section, the other end portion of the fuse member being soldered with second circuit section, the fuse member cutting an electrical connection between the first circuit section and the second circuit section when a temperature of a part of the second circuit section becomes higher than a predetermined temperature.

15. (currently amended): A circuit structure of a brushless motor, ~~comprising;~~
comprising:

- a drive control circuit supplying drive current to exciting coils of a stator of the brushless motor, the drive control circuit comprising a first circuit section for eliminating surges of electric power and a second circuit section for controlling magnetic field generated by the stator by controlling drive current passed through the first circuit section in order to control a rotation of a rotor of the brushless motor, the first and second circuit sections being three-dimensionally arranged with a predetermined space therebetween; and
- a fuse member comprising a first end portion welded with the first circuit section, a second end portion soldered with the second circuit section and an intermediate elastic portion which is elastically deformed when the second end portion is soldered with the second circuit section, the second end portion being released from the second circuit section when solder connecting the second end portion and the second circuit section is melted.